



ROWA LACK
SPECIAL LACQUER SYSTEMS AND TOP COATS



ROWA LACK 



ROWA GROUP, Pinneberg



ROWA LACK – THE COMPANY

ROWA GmbH was established in 1958 in Seevetal near Hamburg as a rubber-processing company. In 1969 the company started to produce high-quality lacquer systems, matting concentrates and additive systems for the coatings and plastics industry.

Since 2010 ROWA Lack is a member of the ROWA GROUP. With its long-established experience, technical competence, modern product design and customer-oriented services, ROWA Lack has become one of the market leaders for the surface finishing of coated textiles.

With its official subsidiary in China – the Ningbo ROWA Coatings headquartered in Ningbo – the company strengthens its long-standing market profile and boosts the service quality.

Together with its customers, ROWA Lack develops tailor-made solutions – because customer satisfaction is our number one priority. Whether developing new, innovative lacquer systems or optimizing lacquer processes, ROWA Lack offers flexibility and personal consultation. New products are always developed with respect to the use of environmentally friendly raw materials and state-of-the-art technology.

For new and further developments special attention is paid to the solvents, in particular with regard to the SVHC candidate list (SVHC: substances of very high concern), Annex XIV (List of substances subject to authorization) and Annex XVII (List of restrictions) of the REACH Regulation. Therefore, owing to continuous optimization, research and development, ROWA Lack is able to offer SVHC-free alternatives for many established systems.



Ningbo ROWA Coatings

ROWA GROUP – THE COMPANY GROUP

As a well-established group of companies, all partners of the ROWA GROUP form a strong connection. Synergetic competences and the specialization of each individual company are used meaningfully to be able to offer absolute top quality at attractive prices.

Employee interfaces:

- Short channels
- Unified logistics
- Slim administrative structures

Shared laboratories:

- State-of-the-art testing equipment
- Highest level of quality standards

Internal transfer of know-how:

- Flexibility and creativity for developing new products

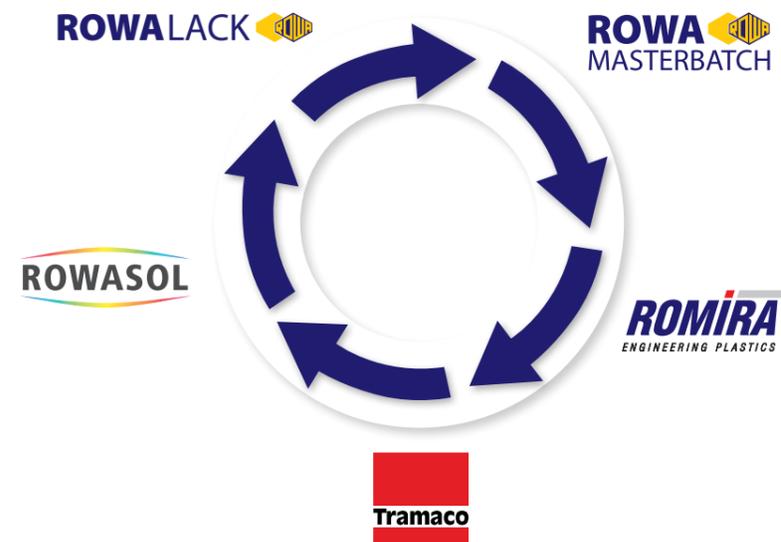
Special developments in partner companies:

- Expansion of the product portfolio to include interesting and cost-effective combinations

ROWA GROUP Holding



Successful teams benefit from the skilled collaboration of expert specialists. ROWA GROUP sees itself as a highly effective team. Indeed, due to the collaborative use of our technical infrastructure, to our uniform logistics, to the knowledge transfer among our employees and to straightforward administration processes, we extend the creative and economic scope of our individual enterprises on a daily basis. As quality assurance is a firm principle of the ROWA GROUP, the quality management systems at all companies are DIN EN ISO 9001 certified and sub-segments are DIN EN ISO 14001 and DIN EN ISO 50001 certified.





ROWA Lack is a leader in the area of lacquer systems for the surface treatment of synthetic films and foils. The primary applications are high-quality lacquer systems for coating and finishing PVC and PU-coated fabrics and PVC and TPO foils.

With a yearly capacity of over 10,000 tonnes, ROWA Lack supplies to its customers in the plastics processing industry worldwide from locations in Pinneberg, Seevetal, Yesan (South Korea) and Ningbo (China). Most of the products are available as solvent-based or waterborne lacquer systems.

<p>ROWAKRYL® High-quality 1K and 2K acrylic lacquers</p>	<p>ROWAFLO® Fluoropolymer lacquer systems for textile constructions</p>	<p>ROWATHAL® Aromatic and aliphatic polyurethane lacquers, 1K and 2K systems solvent based and aqueous</p>
<p>ROWALID® TI Pigmented lacquers and printing inks mainly for effect lacquering of coated fabrics</p>	<p>ROWANYL® Topcoats for PVC artificial leather, especially recommended for the transfer coating process</p>	<p>ROWATHAN® Coating systems for fabrics and films, based on acrylates and polyurethanes</p>
<p>ROWADEKOR® High-quality 2K and UV-curable lacquer systems for furniture films and decor foils</p>	<p>ROWALID® Pigment Preparations Highly concentrated monopigment preparations, finely dispersed in different carrier systems</p>	<p>ROWASET Crosslinkers, slip additives, lubricants, surface modifiers, wetting and leveling agents, UV absorbers, defoamers, thickeners and stabilizers</p>
<p>ROWABASE Toll manufacturing</p>	<p>ROWASIL Organic and inorganic matting agent concentrates, finely dispersed, highly efficient</p>	<p>ROWEX Universal, transparent printing ink carriers; ideal combination partner for ROWALID Pigment Preparations</p>

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWAKRYL® G-31208	13,7	MEK, THF, DMF		Truck covers, halls and tents
ROWAKRYL® G-34643	13,4	MEK, THF, PMA, IPA	X	Truck covers, halls and tents
ROWAKRYL® G-35089	13,6	MEK, PMA, Aceton	X	Truck covers, halls and tents, awnings
ROWAKRYL® G-35326W	21,5	Wasser, EDG, IPA	X	Truck covers halls and tents, awnings, water-borne
ROWAFLO® G-75277	15,5	MEK, PMA	X	Halls and tents, swimming pool, pool liner, low soiling
ROWAKRYL® G-35039	14,6	MEK, PMA, Aceton	X	Halls and tents, swimming pool, pool liner
ROWAKRYL® G-34316W	27,0	EDG, Wasser	X	PVC roofing membranes, water-borne
ROWALID® TIM-94225	14,0	MEK, DMF, TOL		Truck covers, awnings, effect lacquering, silver, weather resistant
ROWALID® TIM-95121	14,0	MEK, PMA, Aceton	X	Truck covers, awnings, effect lacquering, silver, weather resistant

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWAKRYL® G-33037	15,6	MEK, DMF, Acetone		Backlit, Frontlit, Side-Curtain
ROWAKRYL® G-35167	15,6	MEK, PMA, Acetone	X	Backlit, Frontlit, Side-Curtain
ROWAKRYL® G-33230	14,5	MEK, DMF, TOL		Backlit, Frontlit, Side-Curtain, especially for bonding with plotter foils
ROWAKRYL® M-35023W	23,0	Water, EDG	X	Backlit, Frontlit, semi-matt, water-borne

PVC-COATED TARPULINS
Truck covers, awnings, materials for halls and tents – all these products are described as PVC-coated tarpaulins. In most cases, they all have the same base material: a PVC-coated polyester fabric. Moreover, PVC- and TPO-coated roof membranes and swimming pool lining can be included in this product family. Since these materials are primarily used outdoors, the applied lacquer systems have to be strongly resistant to weathering and UV radiation. The lacquer system should minimize the migration of plasticizers, while also making the coated surface soil-resistant and easy to clean. In most cases, the lacquer systems for these applications have to be suitable for welding. Normally, high-quality acrylic lacquers from the ROWAKRYL® series are used for these applications.

PRINT MEDIA
Print media are essentially PVC-coated fabrics such as backlit, frontlit and side-curtains. They have nearly the same requirements as PVC-coated tarpaulins. In addition, the various large format printing systems must be able to print on the lacquered surfaces. The lacquer system has to ensure that the print comes out splendidly and the ink adheres well. The features of the printed material should remain unchanged even after the lacquered goods have been stored for a long while. The lacquer coating should ensure that the print profiles are as similar as possible, regardless what base material is used. For this application lacquers from the ROWAKRYL® series specifically optimized for printability are recommended.



TEXTILE CONSTRUCTIONS

Here we speak about PVC-coated fabrics for the textile architecture segment. The required lacquer system must be extraordinarily resistant to weathering because it is used outdoors for long periods. Another important aspect of the PVC membrane is its long-term UV protection. The surfaces have to remain resistant to soiling and should be very easy to clean. In order to maintain the mechanical properties for a long period of time a very good plasticizer barrier is necessary. With the combination of ROWAFLON® UV protection primers and ROWAFLON® topcoats, ROWA Lack offers a tailor-made solution for this area of application.

FURNITURE AND DECORATION FOILS

The rigid or semi-rigid foils which are used in this field are made of PVC or TPO. Furniture foils can basically be divided into materials for 2D and 3D applications. Their basic requirements are comparable: They must be extremely resistant to chemicals as well as highly resistant to scratches and abrasion. The requested visual and tactile characteristics range from high-gloss to very dull finishes with hard, smooth and even soft-feeling surfaces. Coating systems for 3D applications must also be sufficiently elastic to withstand subsequent processing stages. For these applications ROWA Lack recommends the high-quality 2K systems of its ROWAKRYL® and ROWADEKOR® series.

SPECIALTIES

ROWA Lack offers solutions for niche markets, too. Taking into account customer requirements and specific material characteristics tailor made developments are in use. These lacquer systems show properties which cannot be fully covered by our lacquers for our other main target markets.

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWAFLON® G-74632	15,5	MEK, NMP, Acetone	X	Halls, tents
ROWAFLON® G-74588	11,0	MEK, DMF		Halls, tents, textile constructions, topcoat for UV protection primer
ROWAFLON® G-71711	11,0	MEK, PMA	X	Halls, tents, textile constructions, topcoat for UV protection primer
ROWAFLON® G-75130	16,5	MEK, DMF, Acetone		Textile constructions, topcoat for UV protection primer
ROWAFLON® G-75281	16,2	MEK, PMA Acetone	X	Textile constructions, topcoat for UV protection primer
ROWAFLON® G-75024	14,8	MEK, PMA	X	Textile constructions, topcoat for UV protection primer, TiO2 nano absorber
ROWAFLON® G-75271	14,8	MEK, PMA	X	Textile constructions, topcoat for UV protection primer, ZnO nano absorber
ROWAFLON® G-75308	15,3	MEK, PMA	X	Textile constructions, topcoat for UV protection primer, ZnO nano absorber, transparent

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWADEKOR® G-114137	33,0	MEK, BAC	X	PVC furniture foils, 2D, high-gloss
ROWADEKOR® M-115270	28,0	MEK, PMA, EAC	X	PVC furniture foils, 3D, semi-matt, suitable for deep drawing
ROWADEKOR® M-114645	36,0	MEK, PMA	X	PVC furniture foils, 2D, matt, scratch-resistant
ROWADEKOR® M-114245	31,8	MEK, PMA, Acetone, BAC	X	PVC furniture foils, 2D, matt, scratch-resistant

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWAKRYL® G-34944W	30,0	Water, EDG	X	Book cover, glossy, water-borne
ROWAKRYL® M-34945W	29,0	Water, EDG	X	Book cover, matt, water-borne
ROWAKRYL® M-35070	17,0	MEK, PMA, Acetone	X	Pool liner, foil for swimming pools, semi-matt
ROWAFLON® G-74924	16,5	MEK, DMF		High-grade pool liner, foils for swimming pools, glossy
ROWAKRYL® G-34870W	19,5	Water, IPA	X	PVC-tablecloth, glossy
ROWAKRYL® M-35030W	21,5	Water, IPA	X	PVC-tablecloth, matt
ROWAKRYL® M-35200W	45,8	Water, BG, IPA	X	Anti-graffiti coating, semi-matt

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWATHAL® M-24793	18.5	MEK, IPA, PMA, MP	X	Automotive foils and synthetic leather / matt, mar resistance
ROWAKRYL® M-34262W	28.0	Water, EDG	X	PVC trunk cover / matt, anti-blocking
ROWAKRYL® M-34811W	20.0	Water, EDG	X	Automotive foils and synthetic leather / matt, primer
ROWATHAL® M-24901W	21.0	Water	X	Automotive foils and synthetic leather / matt, excellent mar resistance, anti squeak
ROWAFLON® M-74828W	22.0	Water	X	Automotive foils and synthetic leather / matt, good mar resistance, very good resistance against heat yellowing
ROWAFLON® M-74881W	21.0	Water	X	Automotive foils and synthetic leather / matt, good mar resistance, anti squeak, very good resistance against heat yellowing

Product designation	Solids [%]	Solvents	SVHC free	Recommended applications / properties
ROWATHAL® M-24440	20.5	MEK, DMF		Synthetic leather / semi-gloss, pleasant hand
ROWATHAL® M-24441	19.5	MEK, DMF		Synthetic leather / semi-gloss, soft-feeling
ROWATHAL® M-24862W	22.0	Water	X	Synthetic leather / matt, excellent mar resistance
ROWAKRYL® M-34992	53.0	THF, BuOH, EAC, BAC	X	Synthetic leather / matt, anti-graffiti
ROWAKRYL® G-34994	43.0	THF, BuOH, EAC, BAC	X	Synthetic leather / high-gloss, anti-graffiti
ROWAKRYL® M-34592	17.0	MEK, PMA	X	PVC synthetic leather / matt, good mar resistance
ROWAKRYL® G-34593	14.5	MEK, PMA	X	PVC synthetic leather / glossy, good mar resistance
ROWANYL® 101918	27.0	MEK, DMF, TOL		PVC synthetic leather / wrinkle-finish, glossy, application on release paper (transfer coating)
ROWANYL® 104930	28.0	MEK, PMA, BAC	X	PVC synthetic leather / wrinkle-finish, glossy, application on release paper (transfer coating)
ROWANYL®105004W	26.0	Water, EDG, IPA	X	PVC synthetic leather, glossy, application on release paper (transfer coating)

AUTOMOTIVE

This area of applications includes PVC, ABS and TPO foils for vehicle dashboards and door-panels, PVC and PU-coated synthetic leathers for seat backs, gearshift covers and trunk covers. The requirements in this area vary greatly. They range from strong abrasion resistance, good chemical resistance and flexibility to good thermoforming properties. The surfaces usually have to be matt finished and mar resistant and should have special haptic characteristics (soft-touch). In the automotive sector, most lacquer systems used are aqueous with low solvent content or solvent-free. The high-quality waterborne 2K systems in the ROWATHAL® and ROWAFLON® series are an excellent choice for this area of application.

SYNTHETIC LEATHER

The focus of this area is on fashion applications such as synthetic leather for bags, apparel and shoes. Here the visual and tactile characteristics are playing an important role. Synthetic leather upholstery for furniture, for public transportation and in the medical field constitutes additional areas of application. The users expect a strong abrasion resistance and a good chemical resistance (anti-graffiti). ROWA Lack offers lacquers for transfer coating and for direct coating processes. The products in the ROWANYL® and ROWAKRYL® series are especially recommended for these applications.

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